


FORM PTO-1390 (REV 01-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER <b>0180.0031</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>			U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/510661</b>
INTERNATIONAL APPLICATION NO. <b>PCT/US03/11689</b>	INTERNATIONAL FILING DATE <b>16 April 2003 (16.04.03)</b>	PRIORITY DATE CLAIMED <b>16 April 2002 (16.04.02)</b>	
TITLE OF INVENTION <b>HIGH-PERFORMANCE AND LOW-COST PLASTIC SOLAR CELLS</b>			
APPLICANT(S) FOR DO/EO/US <b>Yang, Yang; Chen, Fang-Chung</b>			
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and 21 indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <b>Items 11 to 20 below concern other document(s) or information included:</b> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information:			

## CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that on **07 October 2004** this document and all listed attachments are being deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee" mailing Label Number **ED 442446713 US** addressed to the Commissioner of Patents, MAIL STOP PCT, ATTN:RO/US, PO BOX 1450, ALEXANDRIA, VA 22313-1450.

**Debby Beatty**  
(Type or print name of person mailing paper)

*Debby Beatty*  
(Signature of person mailing paper)

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/510661		PCT/US03/11689		0180.0031	
21. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS PTO USE ONLY	
<b>Basic National Fee (37 CFR 1.492(a)(1)-(15)):</b> <span style="float: right;"><b>\$1080.00</b></span> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by EPO or JPO..... International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... <span style="float: right;"><b>\$ 920.00</b></span> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... <span style="float: right;"><b>\$ 790.00</b></span> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... <span style="float: right;"><b>\$ 720.00</b></span> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... <span style="float: right;"><b>\$ 100.00</b></span>					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$</b>	<b>790.00</b>
Processing fee of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>\$</b>	<b>130.00</b>
Claims	Number Filed	Number Extra	Rate	<b>\$</b>	<b>0.00</b>
Total claims	72 - 20 =	52	x \$18.00	<b>\$</b>	<b>936.00</b>
Independent claims	2 - 3 =	0	x \$86.00	<b>\$</b>	<b>0.00</b>
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			x \$280.00	<b>\$</b>	<b>0.00</b>
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$</b>	<b>1856.00</b>
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$</b>	<b>928.00</b>
<b>SUBTOTAL =</b>				<b>\$</b>	<b>928.00</b>
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<b>\$</b>	<b>0.00</b>
<b>TOTAL NATIONAL FEE =</b>				<b>\$</b>	<b>928.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property				<b>\$</b>	<b>0.00</b>
<b>TOTAL FEES ENCLOSED =</b>				<b>\$</b>	<b>928.00</b>
				<b>Amount to be refunded:</b>	<b>\$</b>
				<b>charged</b>	<b>\$</b>
a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>928.00</b> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>50-1811</b> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: DAVID J. OLDENKAMP, ESQ. SHAPIRO & DUPONT LLP 233 WILSHIRE BOULEVARD SUITE 700 SANTA MONICA, CALIFORNIA 90401 (310) 319-5411					
				 SIGNATURE DAVID J. OLDENKAMP NAME 29,421 REGISTRATION NUMBER	